

BOMGE BMG-08F

BOMGE BMG-08F 8-Channel Mini Audio Mixer User Manual

Model: BMG-08F

Brand: BOMGE

1. INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your BOMGE BMG-08F 8-Channel Mini Audio Mixer. This compact and portable mixer is designed for various audio applications, including live performances, studio recording, and karaoke. It features 6 mono inputs with 48V phantom power, 1 stereo input, USB/Bluetooth connectivity, 24 DSP effects, and USB recording capabilities.



Figure 1: Front view of the BOMGE BMG-08F 8-Channel Mini Audio Mixer, showcasing its compact design and control layout.



Figure 2: The compact dimensions of the BOMGE BMG-08F mixer, illustrating its portability and ease of transport.

2. SAFETY INFORMATION

- Do not expose this unit to rain or moisture to avoid fire or electric shock.
- Do not open the casing. There are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Use only the specified power adapter (DC 5V).
- Avoid placing the unit near heat sources or in direct sunlight.
- Ensure proper ventilation around the unit.

3. CONTROLS AND FUNCTIONS

Familiarize yourself with the various controls and connection points on your mixer.

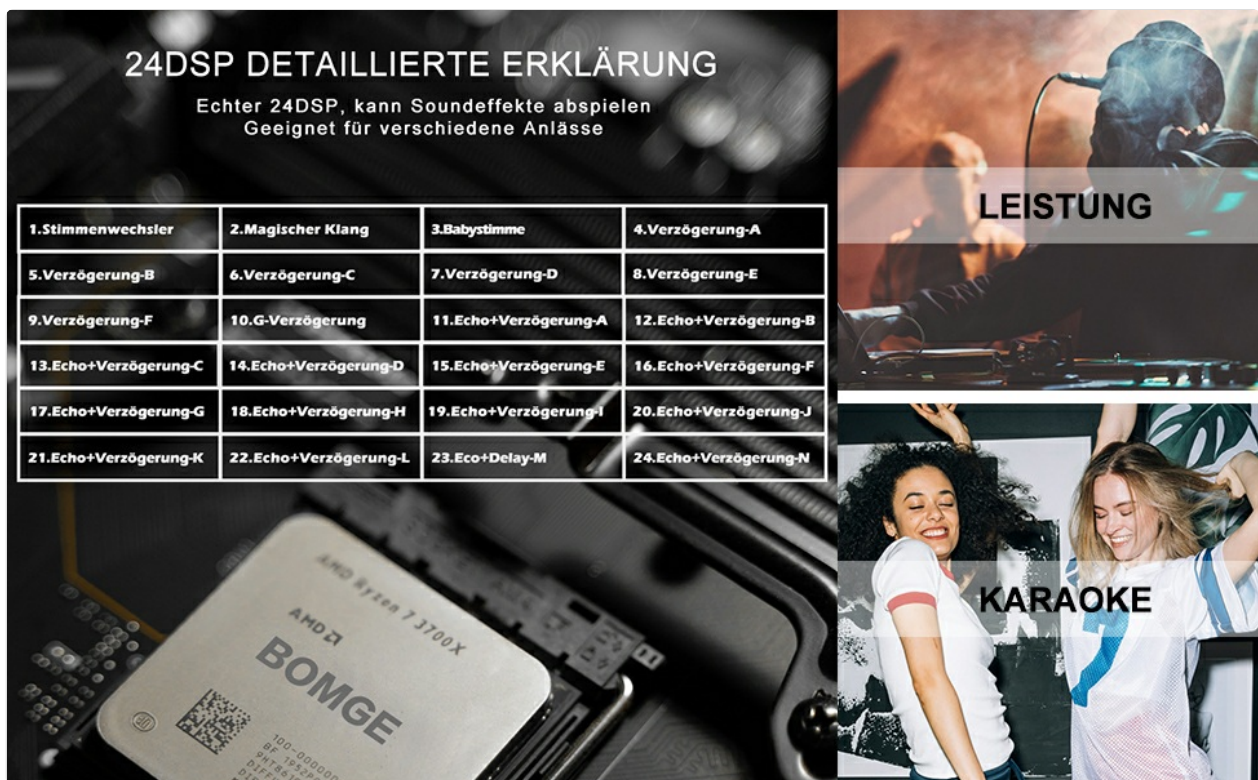


Figure 3: Detailed diagram of the BOMGE BMG-08F mixer's control panel and input/output sections.

3.1 Input Channels (1-6)

- **MIC/LINE Inputs:** XLR and 1/4" unbalanced jacks for microphones or line-level instruments.
- **+48V Phantom Power:** Individual switches for each mono channel to supply power to condenser microphones.
- **TRIM Control:** Adjusts the input gain for each channel.
- **HIGH/LOW EQ:** Two-band equalizer for adjusting treble and bass frequencies.
- **EFF Send:** Controls the amount of signal sent to the internal DSP effects processor.
- **PEAK LED:** Illuminates when the input signal is too high, indicating potential clipping. Adjust TRIM to prevent this.
- **LEVEL Control:** Adjusts the output volume for each individual channel.



Figure 4: Close-up view of the individual +48V phantom power switches for microphone inputs.

3.2 Stereo Input (7/8)

- **IN L/R:** 1/4" unbalanced jacks for stereo line-level devices.

- **IN R:** RCA inputs for connecting external audio sources.

3.3 USB/Bluetooth/MP3 Section

- **Display Screen:** Shows current mode, track information, and effect settings.
- **USB Port:** For connecting USB flash drives for MP3 playback or connecting to a computer for USB audio/recording.
- **Control Buttons:** Play/Pause, Previous Track, Next Track, Mode selection (USB/Bluetooth/PC).



Figure 5: The USB interface for connecting a flash drive or computer.

BUILT-IN WIRELESS

BLUETOOTH FUNCTION

WIRELESS BLUETOOTH FUNCTION: IT CAN BE CONNECTED TO A MOBILE PHONE FOR MUSIC PLAYBACK AND IS COMPATIBLE WITH A VARIETY OF BLUETOOTH CONNECTED DEVICES



Figure 6: Illustration of the built-in wireless Bluetooth function for audio streaming.

3.4 DSP Effects Section

- **DSP Selector:** Rotary knob to choose from 24 built-in digital signal processing effects.
- **PARAMETER Control:** Adjusts specific parameters of the selected effect (e.g., delay time, reverb depth).
- **EFF Level:** Controls the overall wet/dry mix of the effects.

24DSP detailed explanation

Real 24DSP, can play the sound effect
suitable for various occasions

1.Voice Changer	2.Magic Sound	3.Childs Voice	4.Delay-A
5.Delay-B	6.Delay-C	7.Delay-D	8.Delay-E
9.Delay-F	10.Delay-G	11.Echo+Delay-A	12.Echo+Delay-B
13.Echo+Delay-C	14.Echo+Delay-D	15.Echo+Delay-E	16.Echo+Delay-F
17.Echo+Delay-G	18.Echo+Delay-H	19.Echo+Delay-I	20.Echo+Delay-J
21.Echo+Delay-K	22.Echo+Delay-L	23.Echo+Delay-M	24.Echo+Delay-N



Figure 7: A list of the 24 available DSP effects, including Voice Changer, Magic Sound, Child's Voice, various Delays, and Echo+Delay combinations.

3.5 Output Section

- **MAIN OUT (L/R):** XLR balanced outputs for connecting to main speakers or power amplifiers.
- **OUT-L/OUT-R:** 1/4" unbalanced outputs.
- **PHONES:** 1/4" stereo jack for connecting headphones, with a dedicated LEVEL control.

4. SETUP

4.1 Power Connection

The mixer operates on DC 5V. Connect the provided USB cable to the mixer's power input and then to a compatible 5V USB power source, such as a computer USB port, a 5V power bank, or a USB/DC adapter.

4.2 Connecting Microphones and Instruments

1. Connect dynamic microphones or line-level instruments to the MIC/LINE inputs (1-6) using XLR or 1/4" cables.

2. For condenser microphones, ensure the +48V phantom power switch for the respective channel is engaged. **Caution:** Do not activate phantom power for dynamic microphones or instruments that do not require it, as this may cause damage.
3. Adjust the TRIM control for each channel to achieve an optimal input level. The PEAK LED should only flash occasionally on the loudest signals.

4.3 Connecting Playback Devices

- **USB Flash Drive:** Insert a USB flash drive containing MP3 audio files into the USB port. The mixer will automatically switch to USB mode.
- **Bluetooth Device:** Press the MODE button to select Bluetooth mode. On your smartphone or tablet, search for "BOMGE" or a similar device name and pair.
- **External Audio Player:** Connect devices like CD players or other audio sources to the stereo IN L/R (7/8) 1/4" jacks or RCA inputs.

4.4 Connecting Output Devices

- Connect your main speakers or power amplifier to the MAIN OUT (L/R) XLR or 1/4" outputs.
- Connect headphones to the PHONES 1/4" jack for monitoring.

5. OPERATING INSTRUCTIONS

5.1 Basic Mixing

1. Ensure all input sources are connected and output devices are powered on.
2. Set all channel LEVEL controls and the MAIN OUT level to their minimum positions.
3. Gradually increase the TRIM control for each active input channel until the PEAK LED flashes only occasionally.
4. Adjust the HIGH and LOW EQ controls to shape the tone of each channel as desired.
5. Slowly raise the individual channel LEVEL controls and the MAIN OUT level to achieve a balanced mix.

5.2 Using DSP Effects

1. Turn the DSP Selector knob to choose one of the 24 available effects. The selected effect number will appear on the display.
2. Use the PARAMETER control to fine-tune the chosen effect.
3. Adjust the EFF Send control on individual channels to send their signal to the effects processor.
4. Control the overall effect level with the dedicated EFF Level knob in the master section.

5.3 USB Recording

To record audio to a computer via USB:

1. Connect the mixer's USB port to your computer using a USB cable.
2. On your computer, select the mixer as the audio input device in your recording software or operating system settings.
3. Adjust input levels on the mixer and within your software to prevent clipping.

6. TROUBLESHOOTING

- **No Sound Output:**

- Check all power connections and ensure the mixer is powered on.
- Verify that all input and output cables are securely connected.
- Ensure channel LEVEL controls and MAIN OUT level are not at minimum.
- Check if connected speakers/amplifiers are powered on and functioning correctly.

- **Sound Distortion or Saturation:**

- Reduce the TRIM control for the affected channel(s). The PEAK LED should not be constantly lit.
- Lower the input level from the source device.
- If using phantom power, ensure it is only activated for condenser microphones. Some users have reported potential noise with phantom power; if experiencing this, try an external phantom power supply if possible, or ensure connections are secure.

- **Bluetooth Connection Issues:**

- Ensure the mixer is in Bluetooth mode (indicated on the display).
- Make sure Bluetooth is enabled on your transmitting device and it is within range.
- Try unpairing and re-pairing the device.

- **Computer Not Detecting Mixer via USB:**

- Ensure the mixer is connected directly to a USB port on your computer, not through an unpowered USB hub.
- Check your computer's sound settings to ensure the mixer is selected as the input/output device.
- Try a different USB cable or port.

7. SPECIFICATIONS

Feature	Specification
Model Number	BMG-08F
Number of Channels	8 (6 Mono, 1 Stereo)
Input Connectors	XLR, 1/4" TRS/TS, RCA, USB, Bluetooth
Output Connectors	XLR, 1/4" TRS/TS, RCA
Phantom Power	+48V (switchable per mono channel)
DSP Effects	24 built-in effects (Reverb, Delay, Voice Changer, etc.)
Power Supply	DC 5V (USB powered)
Dimensions (approx.)	26.5 cm x 19.5 cm x 3 cm (10.4 in x 7.6 in x 1.1 in)
Weight (approx.)	1 Kilogram
UPC	768447427520

8. MAINTENANCE

- Clean the mixer's exterior with a soft, dry cloth. Do not use liquid cleaners or solvents.

- Avoid exposing the unit to extreme temperatures or humidity.
- When not in use for extended periods, disconnect the power supply and store the mixer in a clean, dry place.

9. WARRANTY AND SUPPORT

BOMGE provides a worry-free shopping experience. If you have any questions or require assistance with your BMG-08F mixer, please contact our customer service. We are committed to providing a satisfactory solution to any issues you may encounter.

Note: TRS/TS cables are not included in the package.